

WE CLAIM:

- 1 1. A filter wrap for a cylindrical filter, comprising:
2 a tubular sheet having an interior side initially facing said filter when said sheet is
3 wrapped on the filter, an exterior side and an edge defining a main opening to said
4 interior for receiving said filter; and
5 at least one strap having one end attached to said sheet near said edge and an
6 accessible distal end wherein pulling said strap(s) everts said sheet as it is pulled off of
7 said filter,
8 wherein debris residing on said exterior of said sheet is trapped within said sheet
9 upon the eversion of said sheet.
- 1 2. The filter wrap of claim 1, further comprising a plurality of said straps.
- 1 3. The filter wrap of claim 1, wherein said straps are uniformly spaced, and
2 attached to said edge, around a circumference of said sheet.
- 1 4. The filter wrap of claim 2, wherein said distal end of each strap is
2 attached to each other at an attachment point.
- 1 5. The filter wrap of claim 4, wherein said sheet has an end opposing said
2 edge, and wherein said straps extend along said exterior of said sheet and attach to each
3 other at said attachment point in a vicinity of said opposing end of said sheet.

1 6. The filter wrap of claim 1, wherein said wrap is a pre-filter wrap and said
2 sheet is porous for providing a first filter permitting fine material to move through said
3 sheet and into said filter and for preventing large debris from moving through said sheet.

1 7. The filter wrap of claim 1, wherein said sheet is in the shape of a bag with
2 said end of said sheet opposing said edge being sealed closed and forming a bottom of
3 said bag when said sheet is everted.

1 8. The filter wrap of claim 1, wherein said sheet has an initial rolled toroid
2 up configuration, wherein said sheet can be rolled onto said filter.

1 9. The filter wrap of claim 8, wherein said strap(s) is attached to said sheet at
2 said edge.

1 10. A method of using a filter wrap, comprising:
2 providing the wrap in a rolled up toroid state; and
3 installing the wrap by axially rolling the wrap down the sides of a cylindrical
4 filter to extend the wrap along the sides of the filter, an edge of the filter defining a main
5 opening of the rolled out interior of the wrap and being disposed at a far end of the filter.

1 11. The method of claim 10, further comprising the steps of:
2 removing said wrap from the filter by pulling on at least one strap attached to the
3 wrap in the vicinity of said edge so that said edge is pulled from said far end and along
4 the exterior of said wrap until said wrap is everted,

5 whereby everting said wrap traps debris, caught on said exterior of said wrap
6 when said wrap is installed, within said wrap when said wrap is everted.

1 12. The method of claim 10, wherein said wrap is a pre-filter wrap made of a
2 sheet of porous material, the method further comprising the step of maintaining said pre-
3 filter wrap on said filter during operation of said filters for stopping coarse material from
4 entering the filter.

1 13. The method of claim 10, wherein said wrap is non-porous and is placed
2 on said filter after manufacture until installation of said filter in a filtration system.

1 14. A filter wrap for covering a cylindrical filter with a far end and a near end,
2 comprising:
3 a pliable body wrapped on the filter by moving said body over said near end, said
4 body having an interior face initially facing said filter and an exterior face when fully
5 assembled in a filtering position; and
6 means for removing said body axially from the filter and over said near end while
7 everting said body so that said interior face faces outward and said exterior face faces
8 inward.

1 15. The filter wrap of claim 14, wherein said body is a rollable tubular sheet,
2 wherein said body is rolled onto the filter for placing the wrap on the filter.

1 16. The filter wrap of claim 14, wherein said body is in the shape of a bag
2 with a closed end for covering said near side when said body is fully assembled on the

3 filter and said closed end forming a bottom of said bag when said body is everted and
4 removed from the filter.

1 17. The filter wrap of claim 14, wherein said means for removing includes at
2 least one strap having an end attached to said body, wherein pulling on the strap everts
3 said body and moves said body over said near end and off of the filter.

1 18. The filter wrap of claim 17, wherein said body further has an edge
2 defining a main opening to the interior of said body and positioned around said far end of
3 said filter, wherein said strap(s) is attached to said body in a vicinity of said edge.

1 19. The filter wrap of claim 14, wherein said filter wrap is a pre-filter wrap
2 and said body is porous for permitting fine particles to move through said body and onto
3 the filter.

1 20. Filter wraps for a filtration system with an array of tubular, closely spaced
2 and parallel filters, having one filter wrap per filter, the wrap comprising:

3 a tubular sheet with at least one edge defining an open circular end and an
4 opposing end opposite said open end;

5 at least one strap attached to said sheet near said edge and having a length for
6 extending from near said edge, along said sheet and passed said opposing end.

1 21. The filter wraps of claim 1, each having an initial toroid configuration.